

PULSE CROP ECONOMICS

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www.agr.mt.gov/business/cropandrotationtools.asp

PRICE INFORMATION

Statpub.com <http://www.statpub.com/stat/prices/spotbid.html>

Alberta Weekly Grain Price Report <http://www.agric.gov.ab.ca/economic/stats/wkgrain.html>
[http://www1.agric.gov.ab.ca/\\$department/deptdocs.nsf/all/sdd6248](http://www1.agric.gov.ab.ca/$department/deptdocs.nsf/all/sdd6248) (archive)

USDA-AMS

Weekly National Bean, Pea & Lentil Market Review

http://www.ams.usda.gov/mnreports/gl_gr851.txt

Dry Edible Bean Daily Grower Bids http://www.ams.usda.gov/mnreports/gl_gr510.txt

Bean Market News <http://www.ams.usda.gov/mnreports/lsbean.pdf>

Annual Bean Market News Review <http://www.ams.usda.gov/mnreports/lbaba.pdf>

Pulse Canada Feed Pea Benchmark (Subscribe to Feed Pea Benchmark Weekly Report)

<http://www.pulsecanada.com/benchmark>

North Dakota State University Extension Crop Budgets:

<http://www.ag.ndsu.nodak.edu/aginfo/farmmgmt/cropbudget.htm> (archive)

<http://www.ag.ndsu.edu/pubs/ecguides.html> (2011)

INDUSTRY INFORMATION RESOURCES

Northern Pulse Growers Association <http://www.northernpulse.com/>

U.S. Dry Pea & Lentil Council <http://www.pea-lentil.com/>

Saskatchewan Pulse Growers <http://www.saskpulse.com/>

Alberta Pulse Growers <http://www.pulse.ab.ca/>

Pulse Canada <http://www.pulsecanada.com/>

Agriculture Agri-Food Canada

Pulse & Specialty Crops Outlook http://www.agr.gc.ca/mad-dam/index_e.php?s1=pubs&s2=spec&page=intro

Grains & Oilseeds Outlook http://www.agr.gc.ca/pol/mad-dam/index_e.php?s1=pubs&s2=go-co

Market Analysis Division Publications http://www.agr.gc.ca/pol/mad-dam/index_e.php?s1=pubs&page=intro

NDSU, "Pulse Crop Marketing Guide", August 2006 www.ag.ndsu.edu/pubs/agecon/market/ec1277.pdf

Saskatchewan Pulse Growers Pulse Market Reports: (over 2 years of monthly reports):

<http://www.saskpulse.com/producer/selling/index.php?page=106>

FAO's FAOSTAT database (international production & trade):

<http://faostat.fao.org/site/339/default.aspx> (production)

<http://faostat.fao.org/site/537/default.aspx> (trade)

Pulse Canada "Canadian Feed Peas Industry Guide", (2003, Dave Hickling, Ph.D.)

<http://www.cigi.ca/pdfs/Pea%20Guide%202003.pdf>

PULSE CROP PRODUCTION RESOURCES

Montana State University Extension Service; MontGuide MT 200502 AG, issued May 2005 “*Growing Dry Pea in Montana*” <http://msuextension.org/publications/AgandNaturalResources/MT200502AG.pdf>

Montana State University Integrated Pest Management Center, “Crop Profile for Dry Peas in Montana”, Prepared Feb, 2002, <http://www.ipmcenters.org/CropProfiles/docs/MTdrypea.html>

Montana State University Extension Service; MontGuide MT 199615 AG, issued June 2001 “*Growing Lentils in Montana*” <http://msuextension.org/publications/AgandNaturalResources/MT199615AG.pdf>

Montana State University Integrated Pest Management Center, “Lentil Production in Montana” Last Update: September 13, 2001 <http://ipm.montana.edu/MPIN/Cropfiles/Lentil.htm>

Montana State University Extension Service; MontGuide MT 200204 AG, issued March 2002 “*Growing Chickpea in the Northern Great Plains*”
<http://msuextension.org/publications/AgandNaturalResources/MT200204AG.pdf>

Montana State University Integrated Pest Management Center, “Growing Chickpeas (Garbanzo Beans) in Montana” Last Update: November 16, 2001, <http://ipm.montana.edu/MPIN/Cropfiles/ChickGarb.htm>

Montana State University Extension Service, “Fertilizer Guidelines for Montana Crops”
<http://msuextension.org/publications/AgandNaturalResources/EB0161.pdf>

North Dakota Weed Control Guide, W-253, January 2011, North Dakota State University Extension Service
<http://www.ag.ndsu.edu/weeds/weed-control-guides/nd-weed-control-guide-1>

Discussion of Herbicide Carryover: <http://www.ag.ndsu.edu/weeds/weed-control-guides/nd-weed-control-guide-1/wcg-files/15-Herb%20CO.pdf>

Alberta Agriculture, Food and Rural Development; “Pulse Crops In Alberta”, 1999.
(\$35) webpage to order from: [http://www1.agric.gov.ab.ca/\\$department/deptdocs.nsf/all/agdex17](http://www1.agric.gov.ab.ca/$department/deptdocs.nsf/all/agdex17)

Saskatchewan Pulse Production Manual – Field Pea www.saskpulse.com/media/pdfs/ppm-field-pea.pdf

Saskatchewan Pulse Production Manual – Lentil www.saskpulse.com/media/pdfs/ppm-lentil.pdf

Saskatchewan Pulse Production Manual – Chickpea www.saskpulse.com/media/pdfs/ppm-chickpea.pdf

2011 Estimate - Return After Direct Costs Central Montana Dryland

	YELLOW PEAS	LENTILS (Richlea)	CHICKPEAS (Desi)	WINTER WHEAT	WINTER WHEAT RECROP	SPRING WHEAT	SPRING WHEAT RECROP	MALT BARLEY	MALT BARLEY RECROP	FEED BARLEY RECROP
Yield (bu/acre, lb/acre)	25	1,200	1,200	48.1	40.5	28.6	25.9	35.8	33.3	33.3
Commodity Price (\$/bu or \$/lb)	\$7.50	\$0.24	\$0.245	\$6.50	\$6.50	\$8.50	\$8.50	\$5.05	\$5.05	\$4.25
Crop Revenue \$/acre)	\$187.50	\$288.00	\$294.00	\$312.65	\$263.25	\$243.10	\$220.15	\$180.79	\$168.17	\$141.53
Direct Costs										
Seed	\$31.50	\$30.10	\$69.60	\$9.50	\$9.50	\$11.00	\$11.00	\$9.38	\$9.38	\$9.38
Herbicides	\$26.00	\$33.00	\$33.00	\$16.50	\$16.50	\$20.00	\$20.00	\$18.50	\$18.50	\$18.50
Fungicides	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Insecticides	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Fertilizer	\$15.94	\$12.75	\$12.75	\$68.67	\$64.56	\$63.42	\$59.08	\$34.13	\$32.52	\$32.52
Legume Crop Fertilizer Credit (future crops)	(\$5.50)	(\$5.50)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Crop Insurance	\$6.60	\$18.20	\$8.40	\$12.67	\$12.95	\$11.20	\$13.96	\$11.81	\$13.67	\$13.67
Fuel & Lubrication	\$8.63	\$8.63	\$8.97	\$8.45	\$8.45	\$8.45	\$8.45	\$8.45	\$8.45	\$8.45
Trucking - to Market	\$12.31	\$9.85	\$9.90	\$3.48	\$2.93	\$2.07	\$1.87	\$2.07	\$1.93	\$1.93
Land Rent <i>(enter costs only if rent will vary between crops - such as for crop share leases)</i>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Custom Hire (Contracted Field Operations)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Machine Rent	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Direct Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Direct Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operating Interest	\$6.09	\$6.82	\$9.09	\$7.60	\$7.32	\$7.40	\$7.29	\$5.38	\$5.38	\$5.38
Total Direct Costs (\$/acre)	\$101.56	\$113.85	\$151.72	\$126.87	\$122.22	\$123.54	\$121.66	\$89.72	\$89.83	\$89.83
Return After Direct Costs (\$/acre)	\$85.94	\$174.15	\$142.28	\$185.78	\$141.03	\$119.56	\$121.66	\$91.07	\$78.34	\$51.70

CAUTION: These are estimates only, actual conditions (prices, yields) will likely be different

2011 Estimate - Return After Direct Costs

North Central Montana Irrigated

	GREEN PEAS	LENTILS (Small Green)	CHICKPEA (Kabuli)	CANOLA	MALT BARLEY	DURUM	SPRING WHEAT	WINTER WHEAT
Yield (bu/acre, lb/acre)	70	2,100	2,250	2,750	95	80	85	95
Commodity Price (\$/bu or \$/lb)	\$8.25	\$0.2375	\$0.32	\$0.23	\$5.05	\$8.25	\$8.50	\$6.50
Crop Revenue \$/acre)	\$577.50	\$498.75	\$720.00	\$632.50	\$479.75	\$660.00	\$722.50	\$617.50
Direct Costs								
Seed	\$43.50	\$30.10	\$72.00	\$42.50	\$15.00	\$21.00	\$22.00	\$19.00
Herbicides	\$40.00	\$47.00	\$36.50	\$16.00	\$27.00	\$27.00	\$27.00	\$27.00
Fungicides	\$0.00	\$0.00	\$54.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Insecticides	\$0.00	\$0.00	\$0.00	\$6.00	\$0.00	\$0.00	\$0.00	\$0.00
Fertilizer	\$36.72	\$18.36	\$19.67	\$143.92	\$86.98	\$178.54	\$189.70	\$145.11
Legume Crop Fertilizer Credit (future crops)	(\$5.50)	(\$5.50)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Crop Insurance	\$9.36	\$21.93	\$19.54	\$20.21	\$19.63	\$27.04	\$21.07	\$16.54
Fuel & Lubrication	\$8.75	\$8.75	\$9.41	\$14.19	\$10.73	\$10.73	\$10.73	\$10.73
Trucking - to Market	\$12.16	\$12.16	\$13.03	\$27.21	\$8.80	\$9.27	\$9.85	\$11.00
Land Rent <i>(enter costs only if rent will vary between crops - such as for crop share leases)</i>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Irrigation Costs	\$31.31	\$26.54	\$31.31	\$36.08	\$36.08	\$36.08	\$36.08	\$36.08
Custom Hire (Contracted Field Operations)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Machine Rent	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Direct Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Direct Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operating Interest	\$11.24	\$10.16	\$16.29	\$19.51	\$13.02	\$19.74	\$20.17	\$16.92
Total Direct Costs (\$/acre)	\$187.54	\$169.50	\$271.74	\$325.62	\$217.24	\$329.40	\$336.60	\$282.38
Return After Direct Costs (\$/acre)	\$389.96	\$329.25	\$448.26	\$306.88	\$262.51	\$330.60	\$385.90	\$335.12

CAUTION: These are estimates only, actual conditions (prices, yields) will likely be different